

Attorney's Docket No. 027650-928

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TECHNOLOGY CENTER R3700

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**Group Art Unit: 3721**

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Confirmation No.: 9925

**Sir:**

Enclosed is a reply for the above-identified patent application.

- (10/02)

☐ An additional claim fee is required, and is calculated as shown below:

AMENDED CLAIMS					
	NO. OF CLAIMS	HIGHEST NO. OF CLAIMS PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	ADDT'L FEE
Total Claims		MINUS =		× \$18.00 (1202) =	
Independent Claims		MINUS =		× \$84.00 (1201) =	
If Amendment adds multiple dependent claims, add \$280.00 (1203)					
Total Amendment Fee					
If small entity status is claimed, subtract 50% of Total Amendment Fee					
TOTAL ADDITIONAL FEE DUE FOR THIS AMENDMENT					

☐ A claim fee in the amount of \$\_\_\_\_\_ is enclosed.

☐ Charge \$\_\_\_\_\_ to Deposit Account No. 02-4800.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

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Date: February 12, 2003



9/73  
K. C. H.  
2/21/03

Patent  
Attorney's Docket No. 027650-928

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

Keiji YANO

Application No.: 09/830,686

Filed: August 3, 2001

For: HEAT-SEALING DEVICE

Group Art Unit: 3721

Examiner: Paul Durand

Confirmation No.: 9925

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TECHNOLOGY CENTER R3700

**RESPONSE UNDER 37 C.F.R. § 1.111**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action dated October 21, 2002, the period for response thereto having been extended to February 21, 2003 by the attached petition and fee for a one-month extension of time, please amend the above-captioned patent application as follows:

**IN THE CLAIMS:**

*Please note that the following amendments are made in accordance with 37 C.F.R. § 1.121 as amended by the Notice published at 65 Fed. Reg. 54604, 54672 (September 8, 2000). Marked-up copies of the amended claims are attached.*

*Kindly amend Claims 9, 16 and 22-28, as follows:*

9. (Amended) A heat-sealing device which moves a tube-shaped packaging material, formed from a packaging material web and filled up with liquid food under a liquid surface of the liquid food, through operation of a seal jaw and a counter jaw, and transversely heat-seals the tube in a seal zone of the tube-shaped packaging material that contains a cutting predetermined zone through softening or melting of plastic material forming the packaging material, the seal jaw and the counter jaw both including an operation surface that is adapted to face the seal zone during transverse sealing under the liquid surface of the liquid food, the operation surface of the seal jaw being a flat surface,